

Express Mail Label: EV054296480US
 Applicant: Rothberg, et al.
 USSN: 09/814,338
 Date of Deposit: February 1, 2002
 Please type a plus sign (+) in this box

Attachment to
 Paper No. 4
 O P E R A T I O N S C T

Page 1 of 3

PTO/SB (12-97)
 Approved for use through 9/30/00 OMB 0651-0031
 Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

FEB 01 2002

Modified Form 1449/PTO

INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	09/814,338	RECEIVED
Filing Date	03/21/01	Feb 06 2002
First Named Inventor	Rothberg	TECH CENTER 1600/2900
Group Art Unit	1645	
Examiner Name	Not Yet Assigned	
Attorney Docket Number	21465-501CIP2	

U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1*	4,811,218	03/07/89	Hunkapiller et al.			
	A2*	4,863,849	09/05/89	Melamede			
	A3*	5,171,534	12/15/92	Smith et al.			
	A4*	5,602,509	04/12/94	Cheeseman			
	A5*	5,445,934	08/29/95	Fodor et al.			
	A6*	5,525,464	06/11/96	Drmanac and Crkvenjakov			
	A7*	5,604,097	02/18/97	Brenner			
	A8*	5,648,245	07/15/97	Fire and Xu			
	A9*	5,714,320	02/03/98	Kool			
	A10*	5,728,529	03/17/98	Metzker and Gibbs			
	A11*	5,800,992	09/01/98	Fodor et al.			
	A12*	5,821,058	10/13/98	Smith et al.			
	A13*	5,830,662	12/03/98	Soares and Efstratiadis			
	A14*	5,834,252	11/10/98	Stemmer and Lipshutz			
	A15*	5,846,721	12/08/98	Soares and Bonaldo			
	A16*	5,846,727	12/29/98	Soper et al.			
	A17*	5,854,033	12/22/98	Lizardi			
	A18*	5,851,772	02/16/99	Mirzabekov et al.			
	A19*	5,871,697	03/16/99	Rothberg et al.			
	A20*	5,882,874	07/29/99	Fisher			
	A21*	5,928,905	11/20/99	Stemmer and Lipshutz			
	A22*	4,971,903		Hyman			

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
	B1*	WO 97/41260	Genescape	11/06/97	
	B2*	WO 98/08973	Cancer Research Campaign Tech. Ltd.	03/05/98	
	B3*	WO 98/13523	Pyrosequencing AB	04/02/98	
	B4*	WO 98/44151	Glaxo Group Ltd.	10/08/98	
	B5*	WO 98/44152	Glaxo Group Ltd.	10/08/98	
	B6*	WO 98/53300	Lynx Therapeutics	11/26/98	
	B7*	WO 99/07896	CuraGen Corporation	02/18/99	
	B8*	WO 99/15702	Life Technologies, Inc.	04/01/99	
	B9*	WO 99/28494	Packard BioScience Company	06/10/99	
	B10*	WO 99/30823	Packard BioScience B.V.	06/24/99	

Attachment
to
Paper No. 4

FOREIGN PATENT DOCUMENTS

Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No
	B11*	WO 99/36576	Packard BioScience Company	07/22/99	
	B12*	WO 99/53102	Packard BioScience Company	10/21/99	
	B13	WO 97/19193	Yale University	05/29/97	
	B14	WO 97/27326	The Regents of the University of California	07/31/97	
	B15	WO 98/50782	Trustees of Tufts College	11/12/98	
	B16	WO 98/20019	Sequenom, Inc.	05/14/98	
	B17	WO 98/35012	Eugene Y. Chan	08/13/98	

RECEIVED
TECH CENTER 1600/2900
FEB 16 2002

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

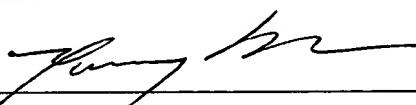
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C1*	Baner et al. (1998). <i>Nucleic Acids Research</i> 26(22): 5073-5078.
	C2*	Barshop et al. (1991). <i>Analytical Biochemistry</i> 197: 266-272.
	C3*	Brandis et al. (1990). <i>Biochemistry</i> 55: 2189-2200.
	C4*	Bronk et al. (1996). <i>Anal. Chem.</i> 67: 2750-2757.
	C5*	Burns et al. (1998). <i>Science</i> 282: 484-487.
	C6*	Chan and Nie (1998). <i>Scient</i> 281: 2016-2018.
	C7*	Chee et al. <i>Science</i> 274(5287).
	C8*	Chiu and Christopoulos (1996). <i>Anal. Chem.</i> 68: 2304-2308.
	C9*	Daubendiek and Kool (1997). <i>Nature Biotechnology</i> 15: 273-277.
	C10*	Dickson et al. (1996). <i>Science</i> 274(5289): 966.
	C11*	Dickson et al. (1997). <i>Nature</i> 388: 355-358.
	C12*	Ferguson et al. (1996). <i>Nature Biotechnology</i> 14: 1681-1684.
	C13*	Fire and Xu (1995). <i>Proc. Natl. Acad. Sci.</i> 92: 4641-4645.
	C14*	Ha et al. (1996). <i>Proc. Natl. Acad. Sci.</i> 93: 6264-6268.
	C15*	Hacia (1999). <i>Nature Genetics Supplement</i> 21: 42-47.
	C16*	Hatch et al. (1999). <i>Genetic Analysis: Biomolecular Engineering</i> 15: 35-40.
	C17*	Healey and Walt (1997). <i>Anal. Chem.</i> 69: 2213-2216.
	C18*	Healey et al. (1995). <i>Science</i> 269: 1078-1080.
	C19*	Hengsakul and Cass (1996). <i>Bioconjugate Chem.</i> 7: 249-254.
	C20*	Hyman (1988). <i>Analytical Biochemistry</i> 174: 423-436.
	C21*	Ishijima et al. (1998). <i>Cell</i> 92: 161-171.
	C22*	Ito et al. (1994). <i>FEBS</i> 351: 231-236.
	C23*	Izawa et al. (1998). <i>The Journal of Biological Chemistry</i> 273(23): 14242-14246.
	C24*	Karamohamed et al. (1999). <i>Protein Expression and Purification</i> 15: 381-388.
	C25*	Karamohamed and Nyren (1999). <i>Analytical Biochemistry</i> 271: 81-85.
	C26*	Keller et al. (1996). <i>Applied Spectroscopy</i> 50(5): 823-958.
	C27*	Kievits et al. (1991). <i>Journal of Virological Methods</i> 35: 273-286.
	C28*	Kricka (1998). <i>Clinical Chemistry</i> 44(9): 2008-2014.
	C29*	Lander (1996). <i>Science</i> 274: 536-539.
	C30*	Lu et al. (1996). <i>J. Am. Chem. Soc.</i> 118: 1587-1594.
	C31*	Lizardi et al. (1998). <i>Nature Genetics</i> 19: 225-232.
	C32*	Metzker et al. (1998). <i>BioTechniques</i> 25: 814-817.

Attachment to
Paper No. 2
O I P E JC73
FEB 01 2002

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
	C33*	Metzker et al. (1998). <i>BioTechniques</i> <u>25</u> : 446-462.
	C34*	Munkholm and Walt (1986). <i>Anal. Chem.</i> <u>58</u> : 1427-1430.
	C35*	Mooney et al. (1996). <i>Proc. Natl. Acad. Sci.</i> <u>93</u> : 12287-12291.
	C36*	Narang et al. (1997). <i>Biosensors & Bioelectronics</i> <u>12</u> (9-10): 937-945.
	C37*	Nie et al. (1994). <i>Science</i> <u>266</u> : 1018-1021.
	C38*	Nie and Zare (1997). <i>Annu. Rev. Biophys. Biomol. Struct.</i> <u>26</u> : 567-596.
	C39*	Nilsson et al. (1997). <i>Nature Genetics</i> <u>16</u> : 252-255.
	C40*	Nilsson et al. (1994). <i>Science</i> <u>265</u> : 2085-2087.
	C41*	Nyren. "Apyrase Immobilized on Paramagnetic Beads Used to Improve Detection Limits in Bioluminometric ATP Monitoring." <i>J. Biolumin. Chemilumin.</i>
	C42*	Nyren et al. (1997). <i>Analytical Biochemistry</i> <u>244</u> : 367-373.
	C43*	Nyren et al. (1993). <i>Analytical Biochemistry</i> <u>208</u> : 171-175.
	C44*	Oker-Blom et al. (1993). <i>BioTechniques</i> <u>14</u> (5): 800-807.
	C45*	Parthasarathy and Martin, (1994). <i>Nature</i> <u>369</u> : 298-301.
	C46*	Pierce et al. "Imaging individual green fluorescent proteins." <i>Scientific Correspondence</i> .
	C47*	Pirrung and Huang (1996). <i>Bioconjugate Chem.</i> <u>7</u> : 317-321.
	C48*	Rawlinson et al. (1996). <i>Journal of Virology</i> : 8833-8849.
	C49*	Ribeiro et al. (1998). <i>J. Biolumin Chemilumin</i> <u>13</u> : 371-378.
	C50*	Ronaghi et al. (1996). <i>Analytical Biochemistry</i> <u>242</u> : 84-89.
	C51*	Ronaghi et al. (1998). <i>Science</i> <u>281</u> : 363-365.
	C52*	Ronaghi et al. (1999). <i>Analytical Biochemistry</i> <u>267</u> : 65-71.
	C53*	Ronaghi. "Pyrosequencing: A Tool for Sequence-Based DNA Analysis." Royal Institute of Technology Department of Technology.
	C54*	Service, "Microchip Arrays Put DNA on the Spot." <i>Science</i> <u>282</u> (5388).
	C55*	Venter et al. <i>Science</i> <u>280</u> (5369): 1540.
	C56*	Walker et al. (1992). <i>Nucleic Acids Research</i> <u>20</u> (7): 1691-1696.
	C57*	Walker et al. (1992). <i>Proc. Natl. Acad.</i> <u>89</u> : 392-396.
	C58*	Wang et al. (1997). <i>Analytical Biochemistry</i> <u>246</u> : 133-139.
	C59*	Wang et al. (1998). <i>Science</i> <u>280</u> : 1077-1082.
	C60*	Wang et al. (1998). <i>Science</i> <u>282</u> : 902-907.
	C61*	Weisiger. "Impact of Extracellular Diffusion on Hepatic Uptake Kinetics." ASTRACT: 1-26.
	C62*	Wooster et al. (1994). <i>Science</i> <u>265</u> : 277-285.
	C63*	Xie and Lu (1999). <i>The Journal of Biological Chemistry</i> <u>274</u> (23): 15967-15970.
	C64*	Yin et al. "Transcription Against an Applied Force." <i>Science</i> <u>270</u> : 1653-1657.
	C65*	Nyren (1987). <i>Analytical Biochemistry</i> <u>167</u> : 235-238.
✓	C66	International Search Report for PCT/US00/25290. Mailed on 11/28/01.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/398,833, filed September 16, 1999, now issued as Pat. No. 6274320 and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	11-14-02
--------------------	---	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.